

polynucleotide sequence, said second transcribable polynucleotide sequence being operatively linked to a second promoter sequence, said third segment being flanked by said first and second segments, wherein a pair of site-specific recombination sequences are disposed one between said first segment and said third segment and another between said second segment and said third segment, such that said first promoter sequence is operatively coupled with said first transcribable polynucleotide sequence only following excision of said third segment from the expression cassette by site specific recombination via said pair of site-specific recombination sequences;

- (b) introducing a recombinase into said first plant, so as to excise said third segment thereby operatively adjoining said first transcribable polynucleotide sequence to said first promoter sequence;
- (c) selfing a plant resulting from step (b) and selecting a progeny which is devoid of said recombinase;
- (d) crossing a plant resulting from step (c) with said second plant thereby obtaining an offspring characterized by exogenic allelism.

49. (Thrice Amended) A method of generating exogenic allelism in a plant, the method comprising the steps of:

- (a) providing a first plant and a second plant each including an expression cassette in the same chromosomal location, said expression cassette comprising:
 - (i) a first segment comprising a first transcribable polynucleotide sequence, said first transcribable polynucleotide sequence being operatively linked to a first promoter sequence, said first segment being flanked by a

pair of first site-specific recombination sequences; and

- (ii) a second segment, being linked to said first segment, said second segment comprising a second transcribable polynucleotide sequence, said second transcribable polynucleotide sequence being operatively linked to a second promoter sequence, said second segment being flanked by a pair of second site-specific recombination sequences;

- (b) introducing a first recombinase into said first plant, so as to excise said first segment, and selfing said first plant and selecting a progeny which is devoid of said first recombinase;
- (c) introducing a second recombinase into said second plant, so as to excise said second segment, and selfing said second plant and selecting a progeny which is devoid of said second recombinase; and
- (d) crossing a plant resulting from step (b) with a plant resulting from step (c), so as to generate an offspring characterized by exogenic allelism.

50. (Twice Amended) A plant homozygous for an expression cassette comprising:

- (a) a first segment comprising a first promoter sequence;
- (b) a second segment comprising a first transcribable polynucleotide sequence; and
- (c) a third segment comprising a second transcribable polynucleotide sequence, said second transcribable polynucleotide sequence being operatively linked to a second promoter sequence, said third segment being flanked by said first and second segments, wherein a pair of site-specific recombination sequences are disposed one between said first segment and said third segment and another

C2
Cont'd

between said second segment and said third segment, such that said first promoter sequence is operatively coupled with said first transcribable polynucleotide sequence only following excision of said third segment from the expression cassette by site specific recombination via said pair of site-specific recombination sequences;

C2
Cont'd

said second transcribable sequence encoding an expression product capable of activating said first promoter sequence to direct transcription of said first transcribable sequence.

51. (Twice Amended) A plant homozygous for an expression cassette comprising:

- (a) a first segment comprising a first transcribable polynucleotide sequence, said first transcribable polynucleotide sequence being operatively linked to a first promoter sequence, said first segment being flanked by a pair of first site-specific recombination sequences; and
- (b) a second segment, being linked to said first segment, said second segment comprising a second transcribable polynucleotide sequence, said second transcribable polynucleotide sequence being operatively linked to a second promoter sequence, said second segment being flanked by a pair of second site-specific recombination sequences, said second transcribable polynucleotide sequence encoding a polypeptide or an RNA molecule capable of regulating an expression level of a product of said first transcribable polynucleotide sequence.

C3

55. (Thrice Amended) Plant seeds comprising a pair of exogenes, wherein a first exogene of said pair of exogenes is located on a first